BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of Work :- Detailed Estimate for Providing LED Pathway lighting in Doddabomasundra Park

Budget Head :

Ward No.10 **Estimate No:-** **For Rs.** **90000.00**

Sl No	SR page no	Description Of Work	Qty	Rate	Unit	Amount
		KPWD (Ele) S.R.2014-15				
1	1 P.No 26 I.No. 4.35	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II. 4.35.1) LED Streetlight 24watts	11	6912.00	Each	76032.00
2	108/17.2	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.pipe	11	893.00	Each	9823.00

3	2 P.No-56 I.No-7.4.5	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanized, steel strip confirming to IS-3975:1990 (No of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1998 & confirming GTP of GROUP-B 7.5.4) 4 core 16 sqmm	20	117.00	mtr	2340.00
4	3 P.No-61 I.No-7.8.6	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required.II. On wall /Structure 7.8.1 6 sqmm to 16 sqmm	20	10.80	mtr	216.00
5	4 P.No-62 I.No-7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 7.9.1) In soil (ordinary)	20	78.00	mtr	1560.00
		Miscellaneous				29.00
		TOTAL				**90000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 Rates.

Jr/ Assistant Engineer

Assistant Executive Engineer (ele)
Yelahanka Zone, BBMP

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

Administrative Sanction for Rs. 90000:00/-
Ninety Thousand only
to accorded under head P0298 M and R to Electrical Installations in park and Gardens Playgrounds Burial Grounds
Registered as EE( ) No. Subject to conditions contained in endorsed memo No. EE/Ele/42/AS/33/16-17 Dt 02.03.2017

TECHNICALLY SANCTIONED FOR Rs. 90000/-
Ninety Thousand only
Under P0298 M and R to Electrical Installations in Park and Playground Burial Grounds
Registered as EE( ) No. 9
Subject to conditions contained in endorsed memo EE( ) No. EE/ELE/42/AS/33/16-17
Dt 03.03.2017 Estimate/AA Sanctioned
EE/ELE/42/AS/33/2016-17
Dated 02.03.2017 Rs. 90000/-
Executive Engineer